

Fig. 1

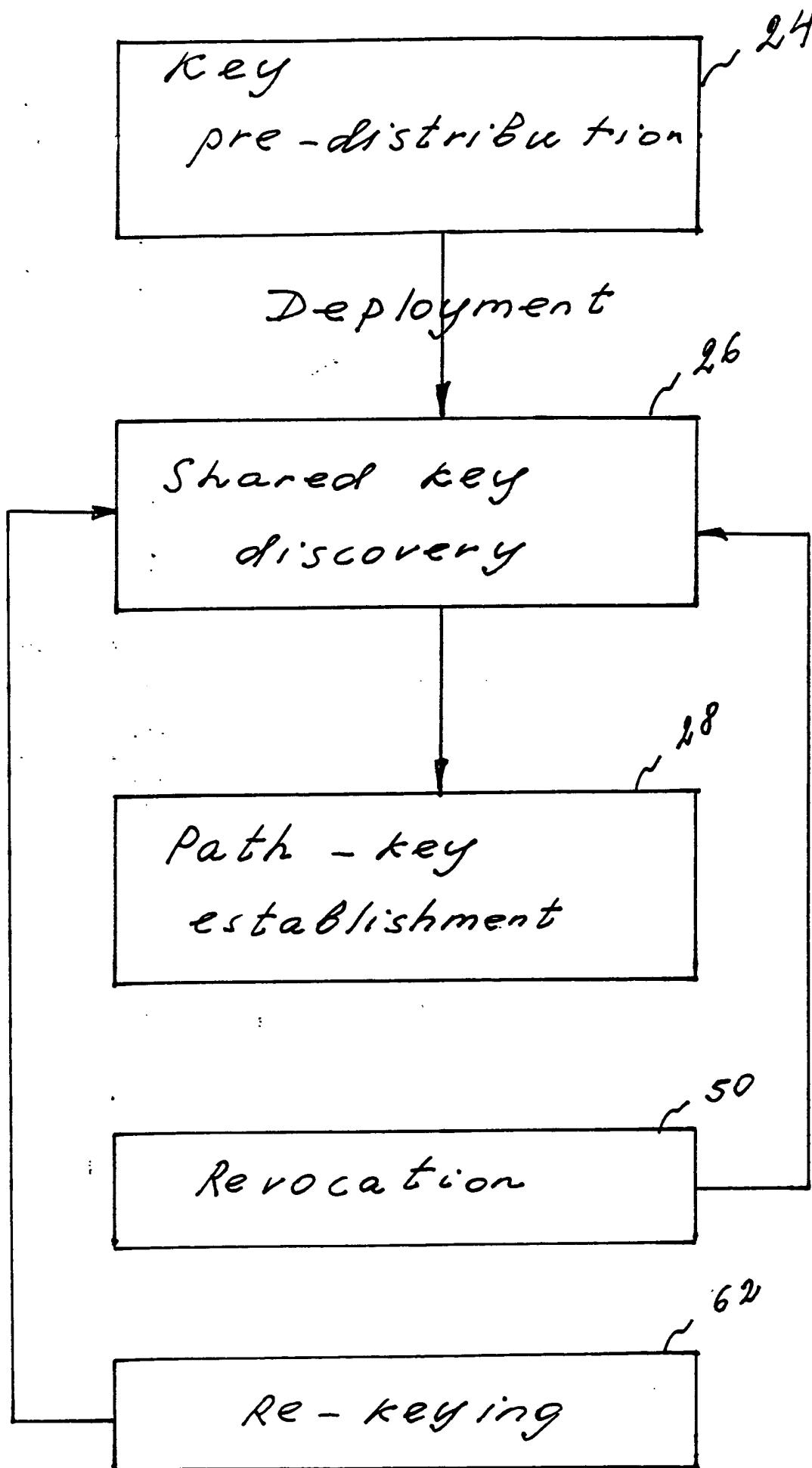
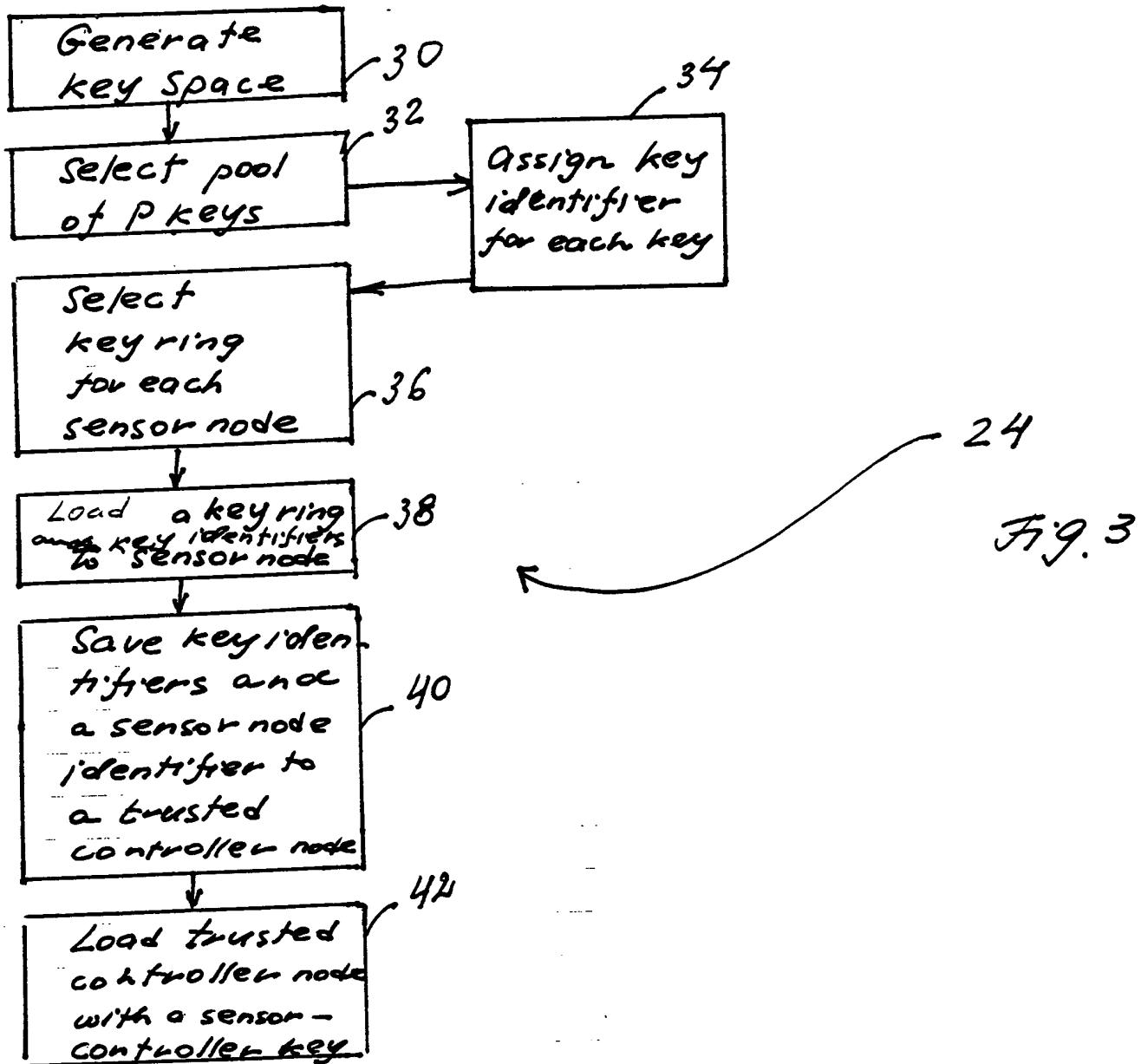
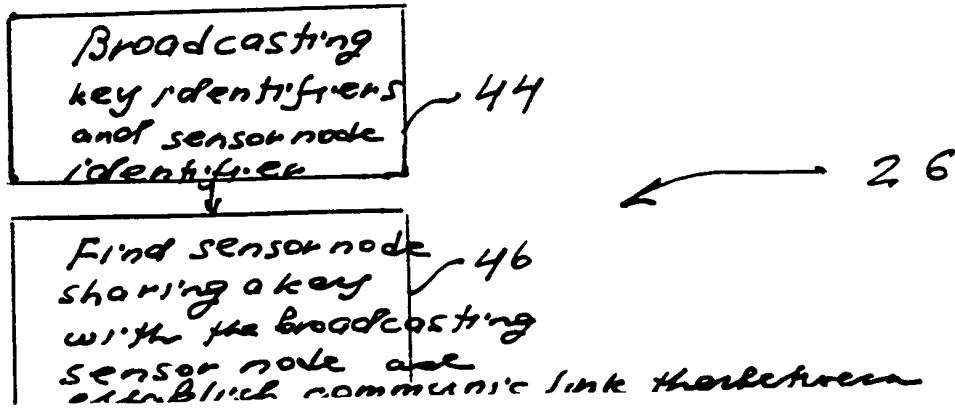


Fig.2

Initialize
pre-distribution
phase



Deploy the sensor nodes
over the terrain under scrutiny
Initialize shared-key discovery phase



Revocation initialization

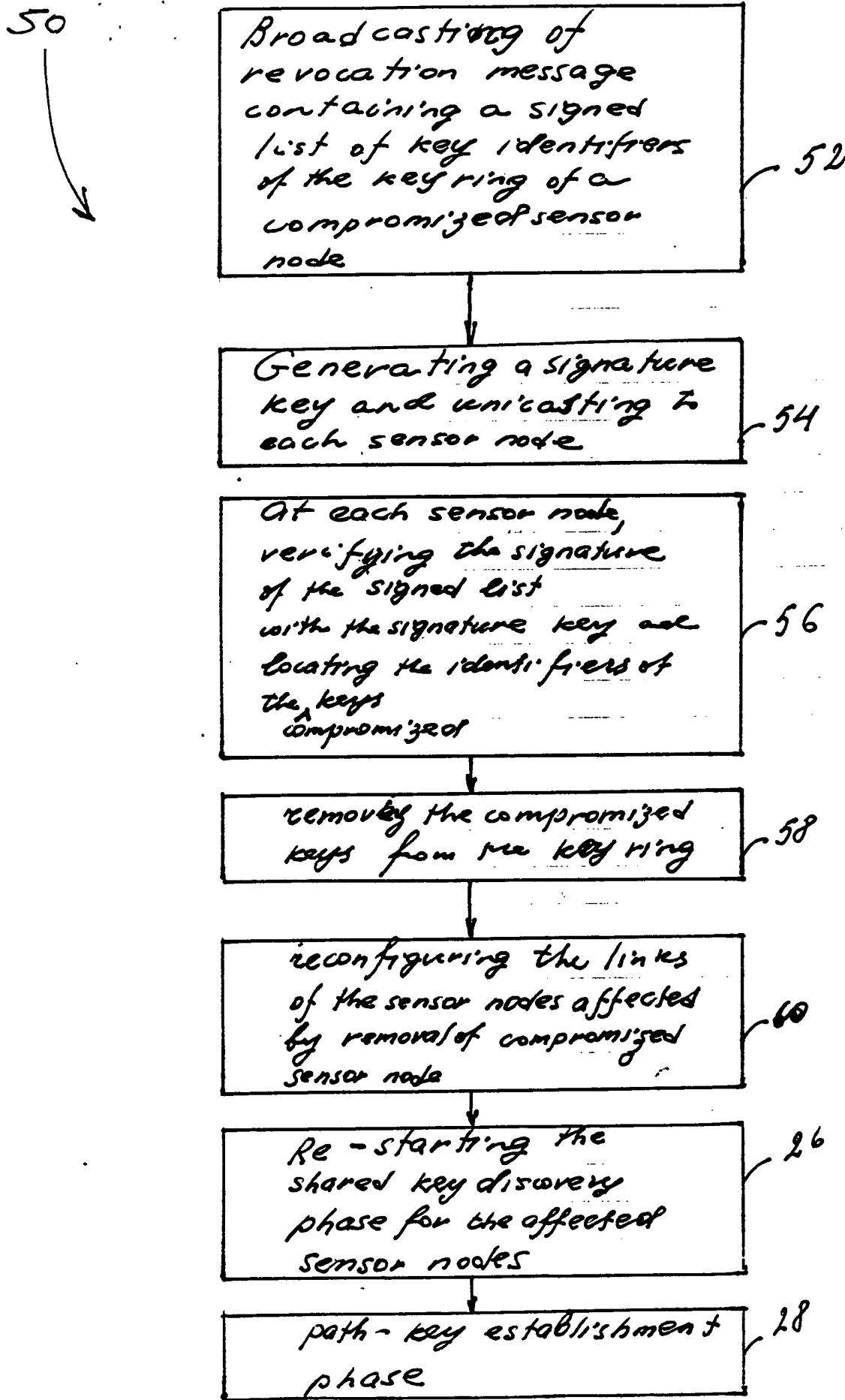


Fig. 4

Re-keying initialization

64

62

Removal of the expired key from all key rings

Shared key discovery phase

~ 26

Path-key establishment phase

~ 28

Fig. 5

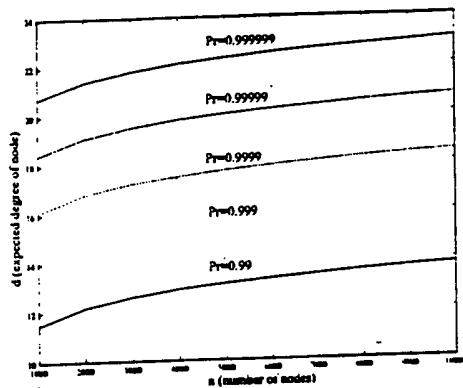


Fig. 6

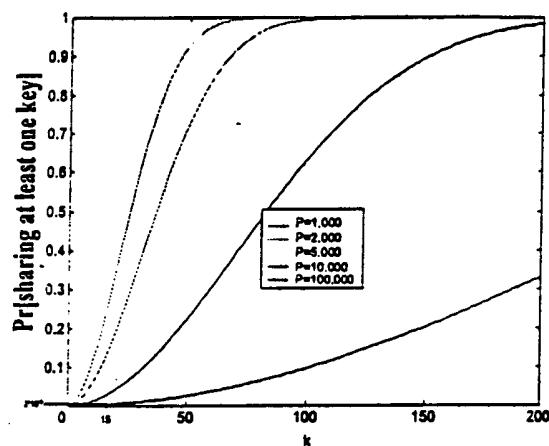


Fig. 7

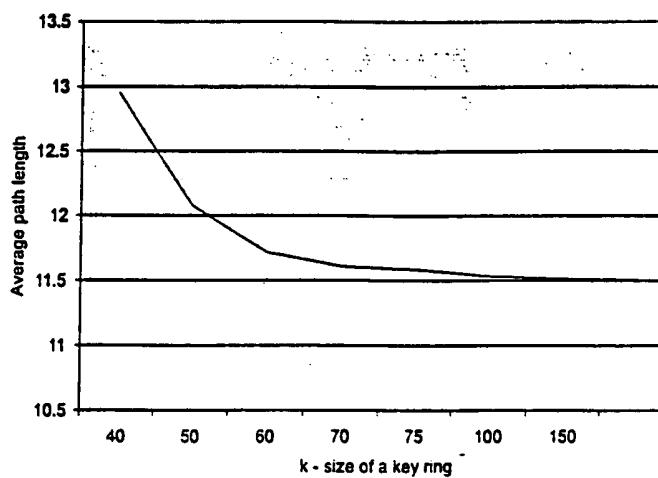


Fig. 8

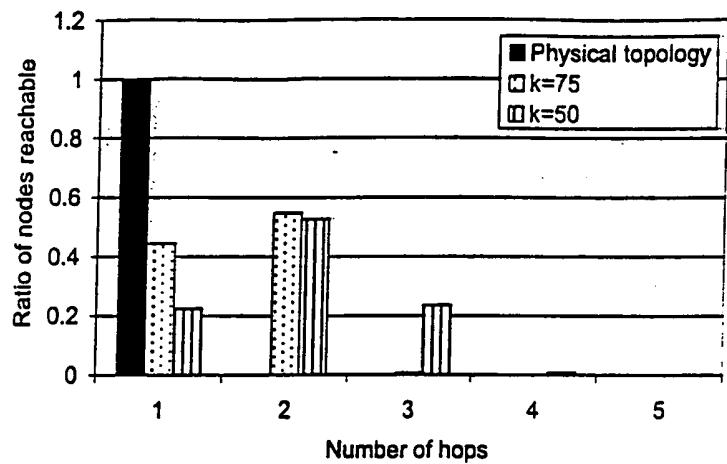


Fig. 9

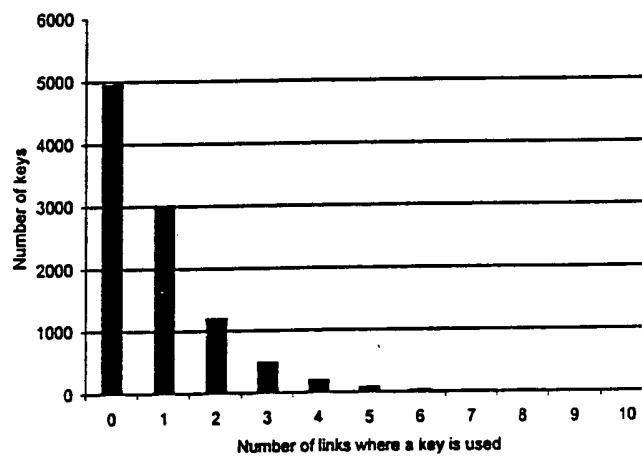


Fig. 10